

Remarks

Applicants respectfully request reconsideration of the present U.S. Patent application as amended herein. Claims 1, 7, 8, 11, 17, 18, 21, 28 and 34 have been amended. No claims have been added or canceled. Thus, claims 1-35 are pending.

OBJECTION TO THE SPECIFICATION

The abstract was objected to. A replacement abstract is attached hereto in Appendix A. Accordingly, Applicants request that the objection to the specification be withdrawn.

CLAIM OBJECTIONS

Claims 7, 8, 10, 17, 18, 20 and 34 were objected to for informalities. The informalities identified in the Office Action have been corrected by amendment herein. Accordingly, Applicants request that the objections to the claims be withdrawn.

CLAIM REJECTIONS – 35 U.S.C. § 102(e)

Claims 1-3, 7, 8, 10 and 11-35 were rejected as being anticipated by U.S. Patent Publication No. 2005/0125580 of Madukkarumukmana, et al. (*Madukkarumukmana*). For at least the reasons set forth below Applicants submit that claims 1-3, 7, 8, 10 and 11-35 are not anticipated by *Madukkarumukmana*.

Claim 1 recites:

receiving an interrupt message from a device via a shared interrupt interface;
checking one or more status registers to identify the device; and

transmitting an indication of the interrupt message to one or more selected operating entities associated with the identified device.

Thus, Applicants claim identifying a device providing an interrupt using a status register and transmitting an indication of the interrupt message to operating entities associated with the identified device. Claims 11 and 28 recites similar limitations.

In contrast, *Madukkarumukmana* discloses the interrupt generating device indicating the virtual machine to receive the interrupt. See Paragraph 0031. Thus, *Madukkarumukmana* does not disclose checking a status register to identify a device. Accordingly, *Madukkarumukmana* cannot anticipate the invention as claimed in claims 1, 11 and 28.

Claims 2, 3, 7, 8 and 10 depend from claim 1. Claims 12-20 depend from claim 11. Claims 29-35 depend from claim 28. Because dependent claims include the limitations of the claims from which they depend, Applicants submit that claims 2, 3, 7, 8, 10, 12-20 and 29-35 are not anticipated by *Madukkarumukmana* for at least the reasons set forth above.

Claim 21 recites:

a host monitor communicatively coupled with the plurality of virtual machines and coupled to receive an interrupt signal via a shared interrupt interface, wherein the host monitor reads a value stored in one or more status registers corresponding to devices that asserted the interrupt signal to identify the device, and further wherein the host monitor selectively invokes an interrupt service signal to each of the plurality of virtual machines associated with the device asserting the interrupt signal.

Thus, Applicants claim reading a value from one or more status registers to identify the device generating the interrupt. As discussed above, *Madukkarumukmana* does not disclose reading a value from a status register to determine the identity of the device

generating the interrupt. Therefore, *Madukkarumukmana* does not anticipate the invention as claimed in claim 21.

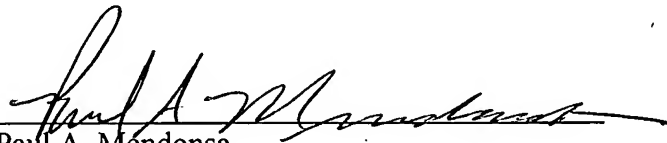
Claims 22-27 depend from claim 21. Because dependent claims include the limitations of the claims from which they depend, Applicants submit that claims 22-27 are not anticipated by *Madukkarumukmana* for at least the reasons set forth above.

CONCLUSION

For at least the foregoing reasons, Applicants submit that the rejections have been overcome. Therefore, claims 1-35 are in condition for allowance and such action is earnestly solicited. The Examiner is respectfully requested to contact the undersigned by telephone if such contact would further the examination of the present application. Please charge any shortages and credit any overcharges to our Deposit Account number 02-2666.

Respectfully submitted,
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Attachments